



Characteristics of TOD and non-TOD Residents

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Metropolitan Transportation Commission

Joint Policy Committee Meeting

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■ Objective

- Understand the who, what, and why of TOD living
 - Who are the Bay Area's TOD Residents?
 - What are their travel patterns?
 - Why do they live in TODs?



■ Data Source

- 2000 Bay Area Travel Survey (BATS2000)
 - Two-day activity-based survey
 - 15,064 households
 - 34,680 persons
 - Demographic and travel information collected



■ Methodology

- Compare demographic and travel patterns of TOD and non-TOD residents
- Residents grouped by their proximity to rail stations and ferry terminals



ACE



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AMTRAK



ACE

AMTRAK

BART

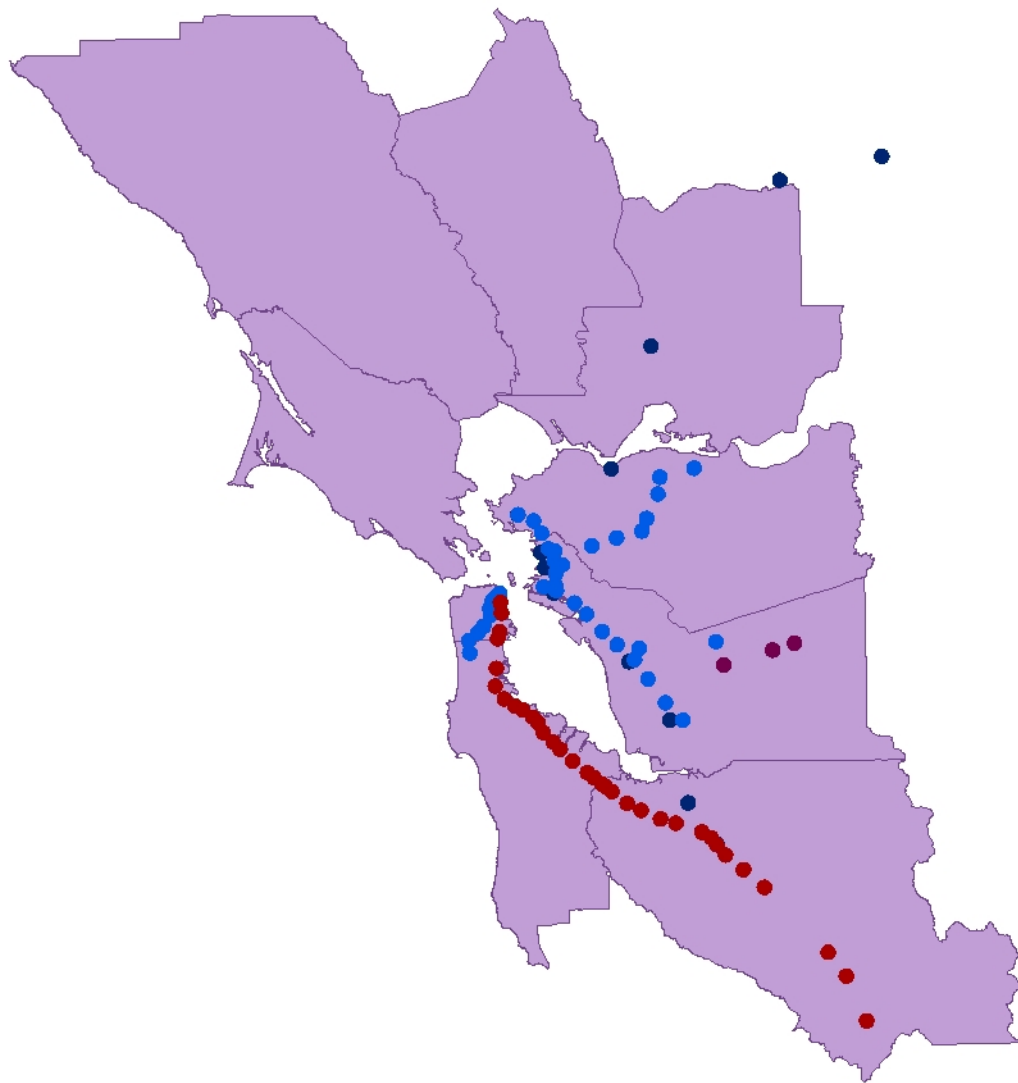


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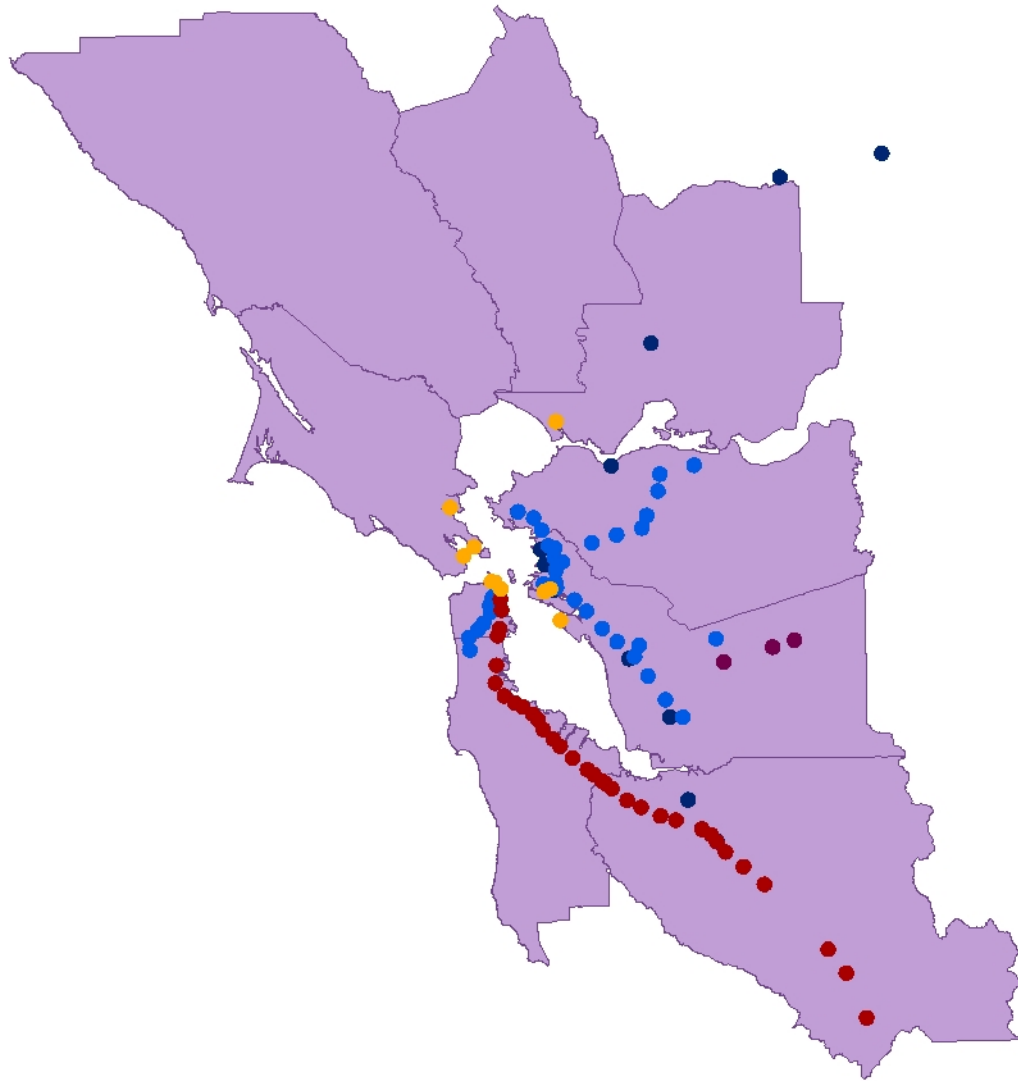
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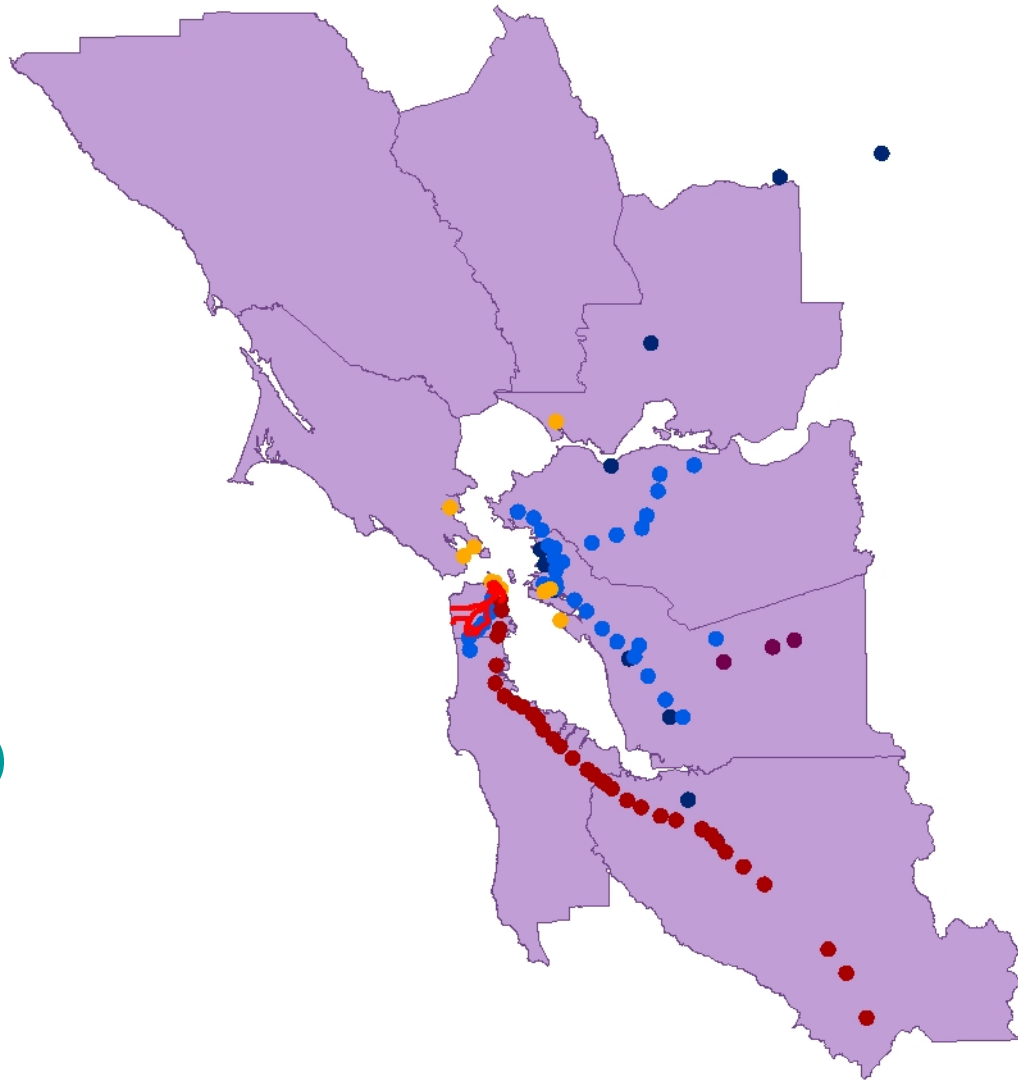
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MUNI (rail)



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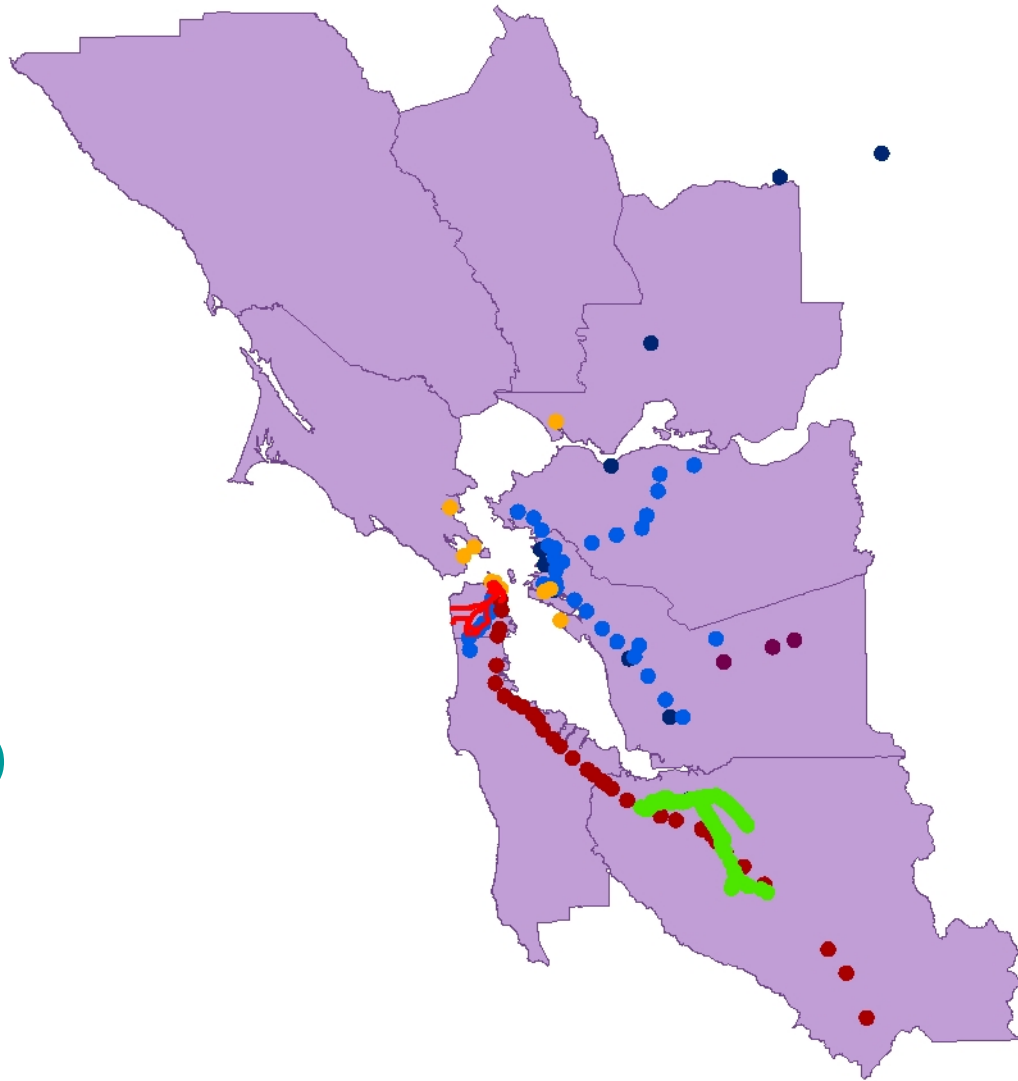
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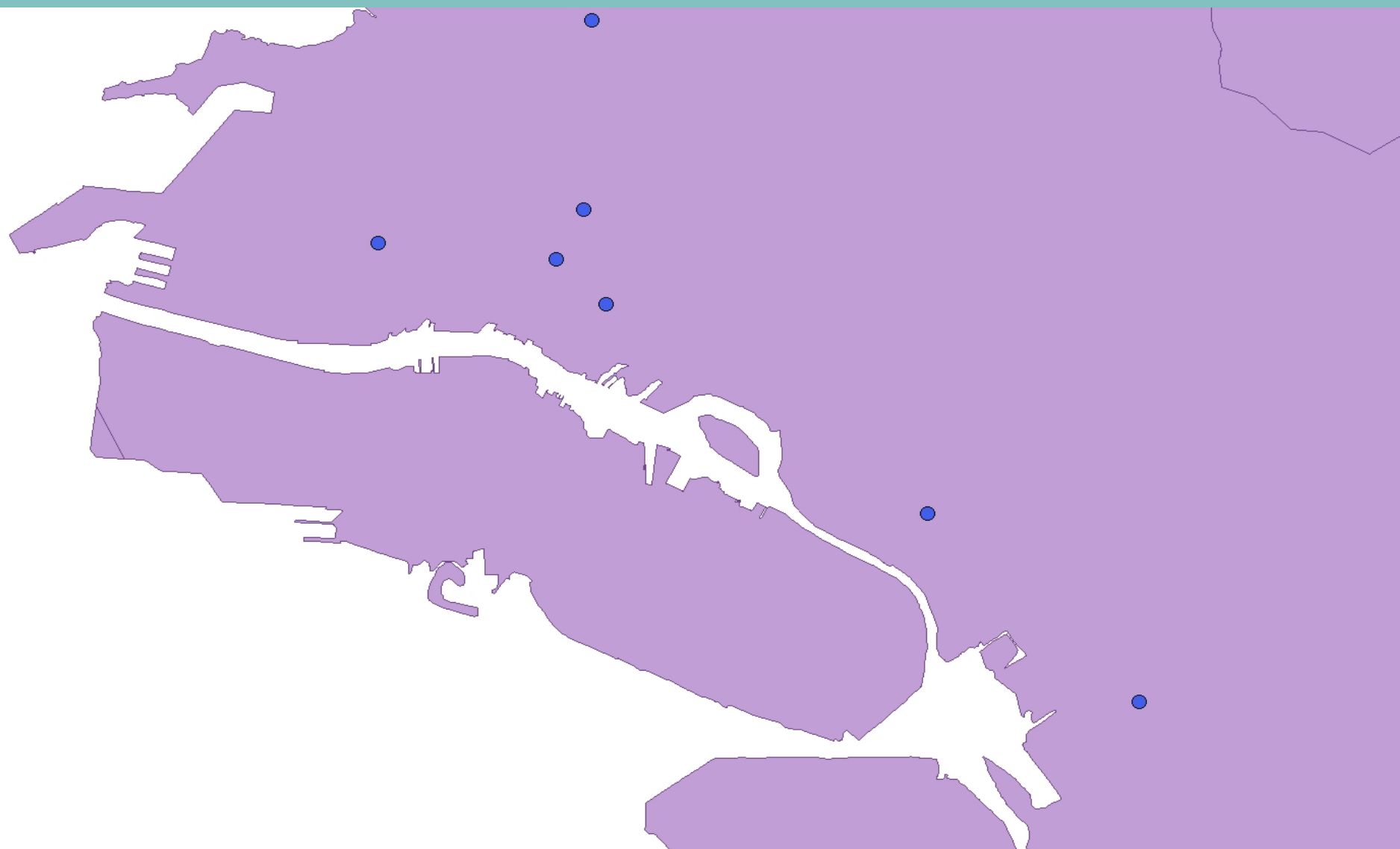
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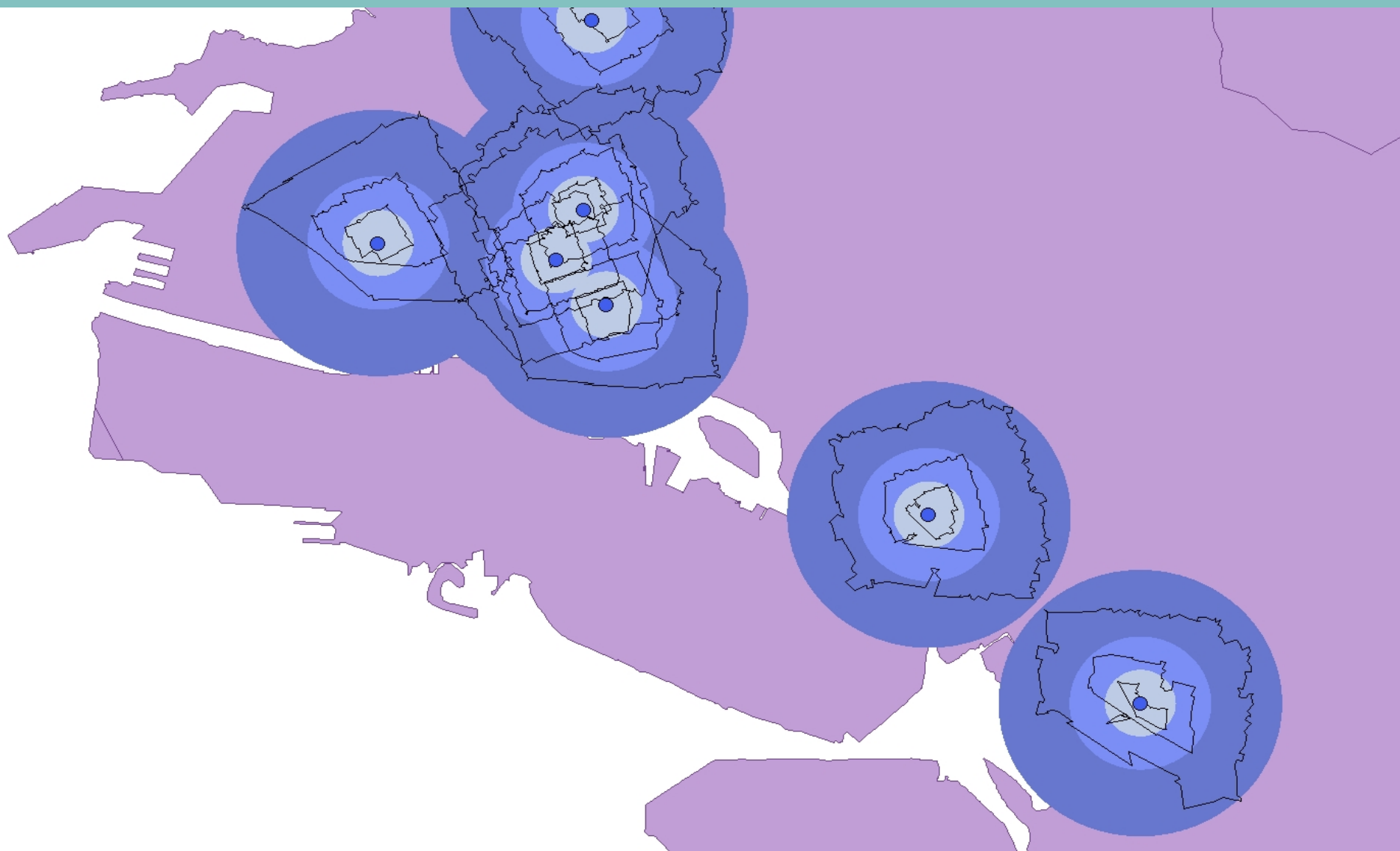
MUNI (rail)

VTA (rail)



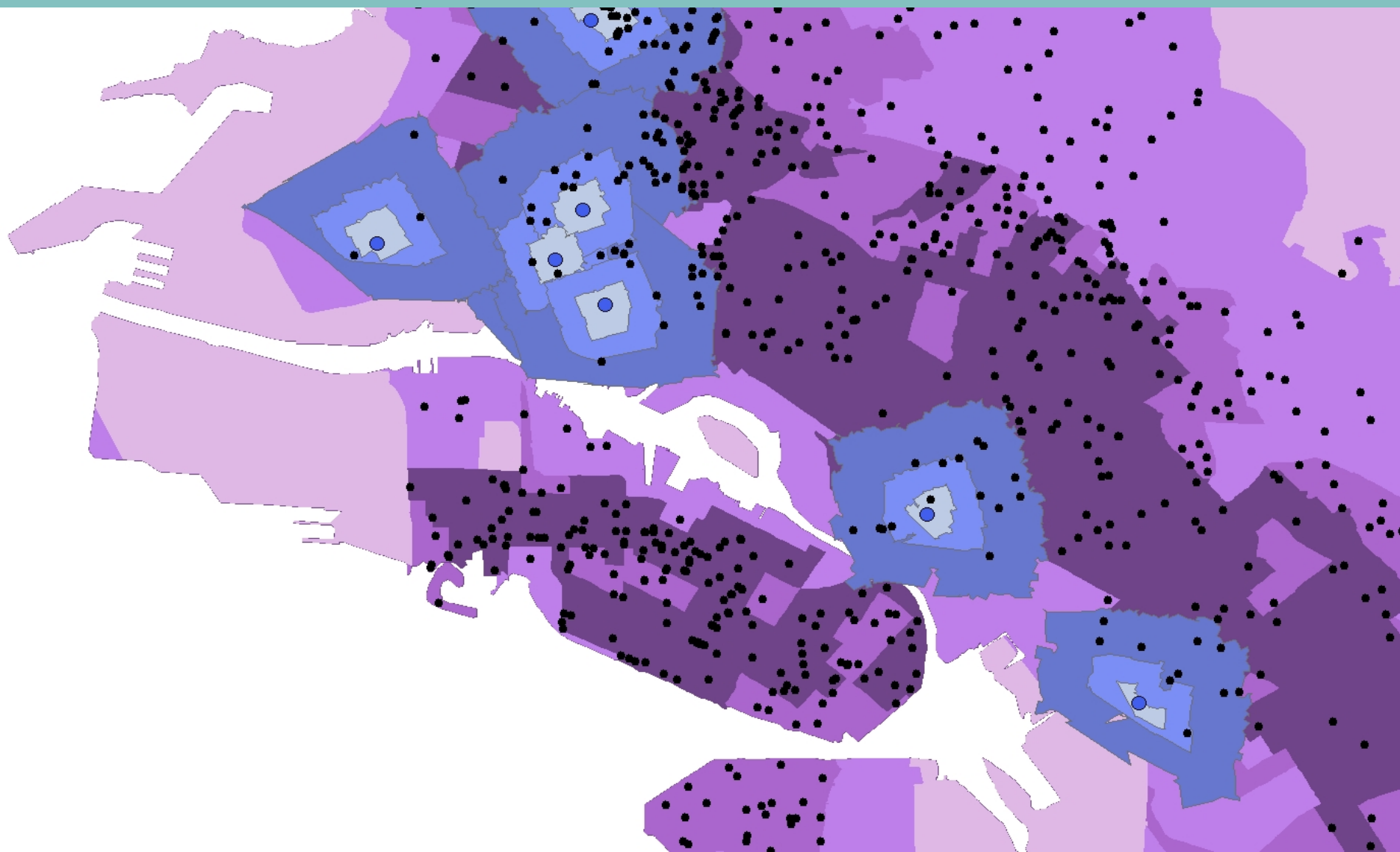












Methodology

- Six proximity to rail and ferry categories
 - Within $\frac{1}{2}$ mile
 - $\frac{1}{2}$ mile to 1 mile
 - > 1 mile, Urban ($>10,000$ persons/mi²)
 - > 1 mile, High-Suburban (6,000 - 9,999 persons/mi²)
 - > 1 mile, Low-Suburban (500 – 5,999 persons/mi²)
 - > 1 mile, Rural (< 500 persons/mi²)



Results

Demographic Results by
Proximity to Rail and Ferries



Results – Household Characteristics

Households near rail and ferry stops:

- Tend to be smaller
- Own fewer vehicles (0 or 1)
- Live in rented, multi-family structures
- More likely to be households without children



Results – Person Characteristics

Residents near rail and ferry stops:

- Are more ethnically diverse
- More likely to be employed
- Tend to have more work time flexibility



Results

Travel Characteristics by
Proximity to Rail and Ferry

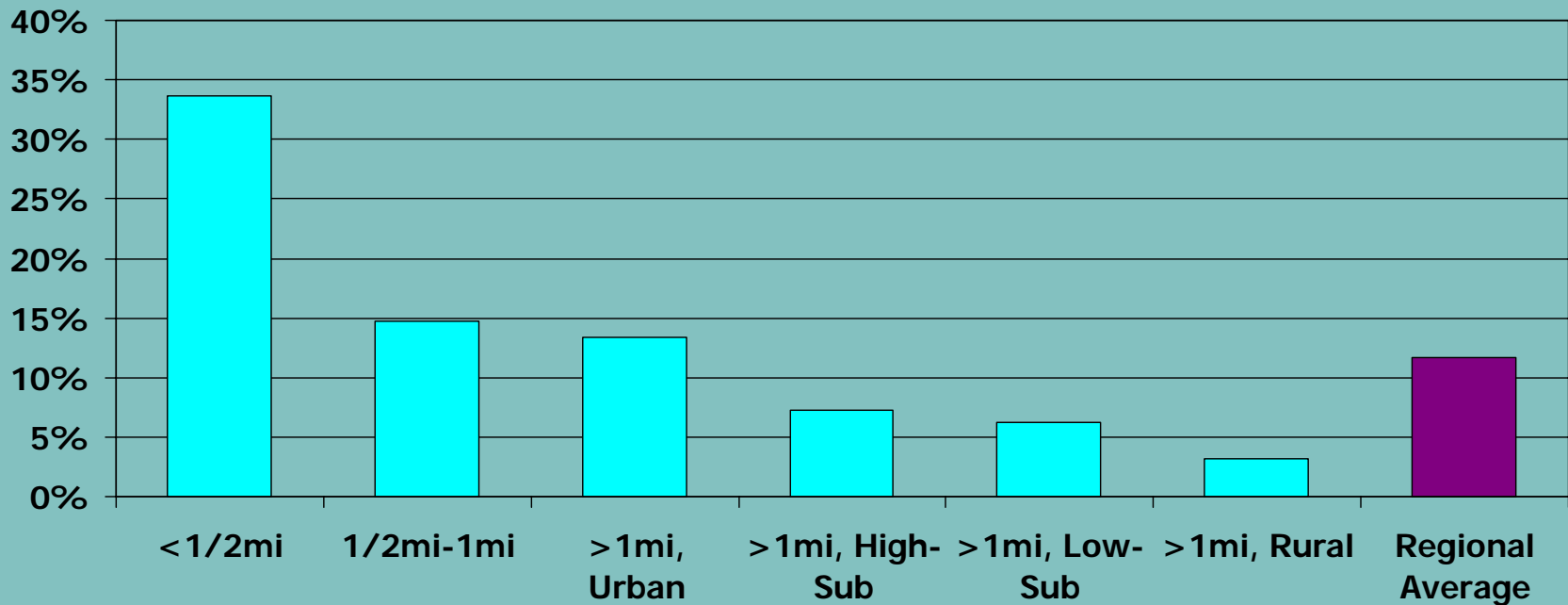


Results

Transit-Using Residents

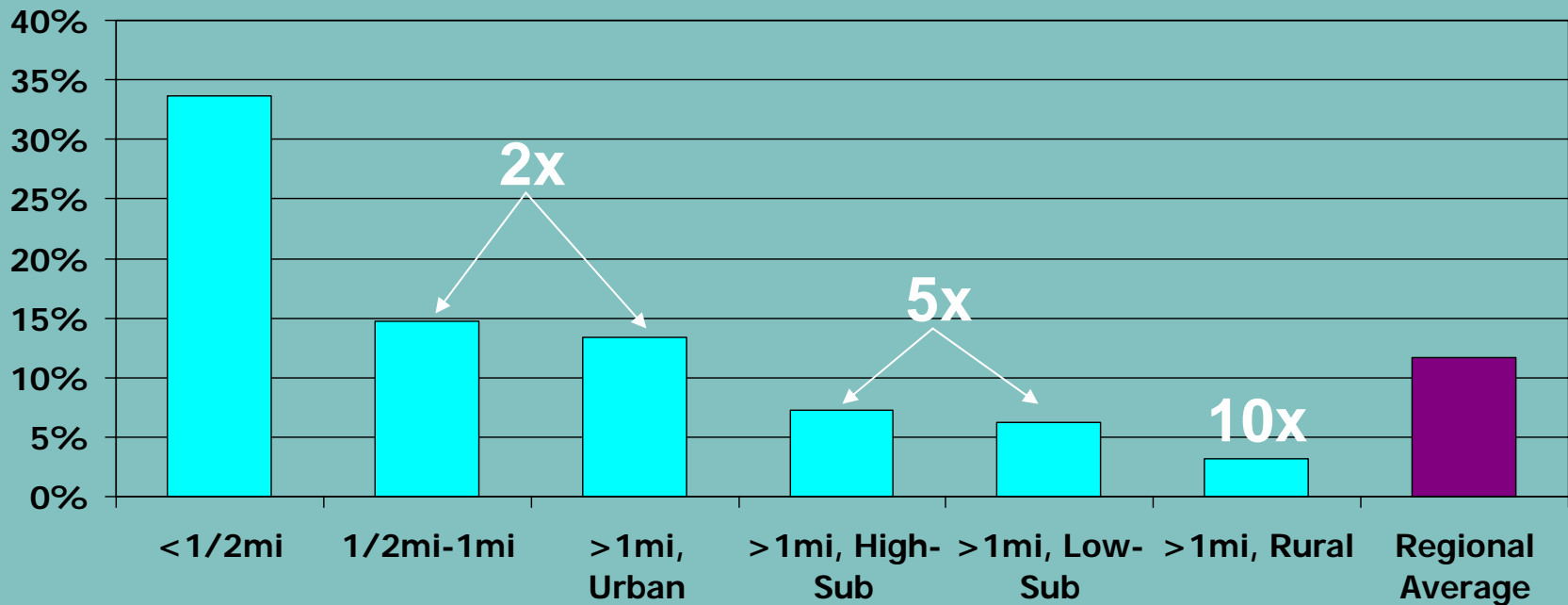
Results – Transit-Using Population

- Percent of population using transit at least once during survey period



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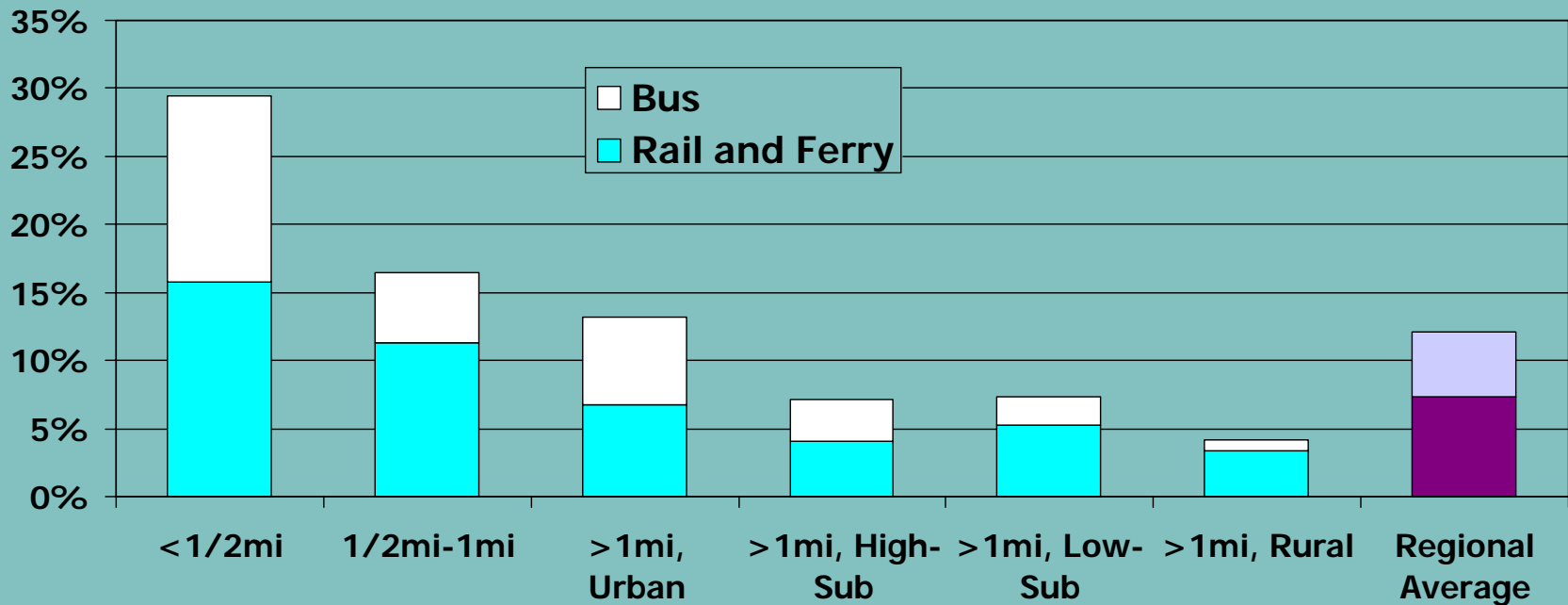


Results

Transit and non-Motorized Shares by
Trip Purpose

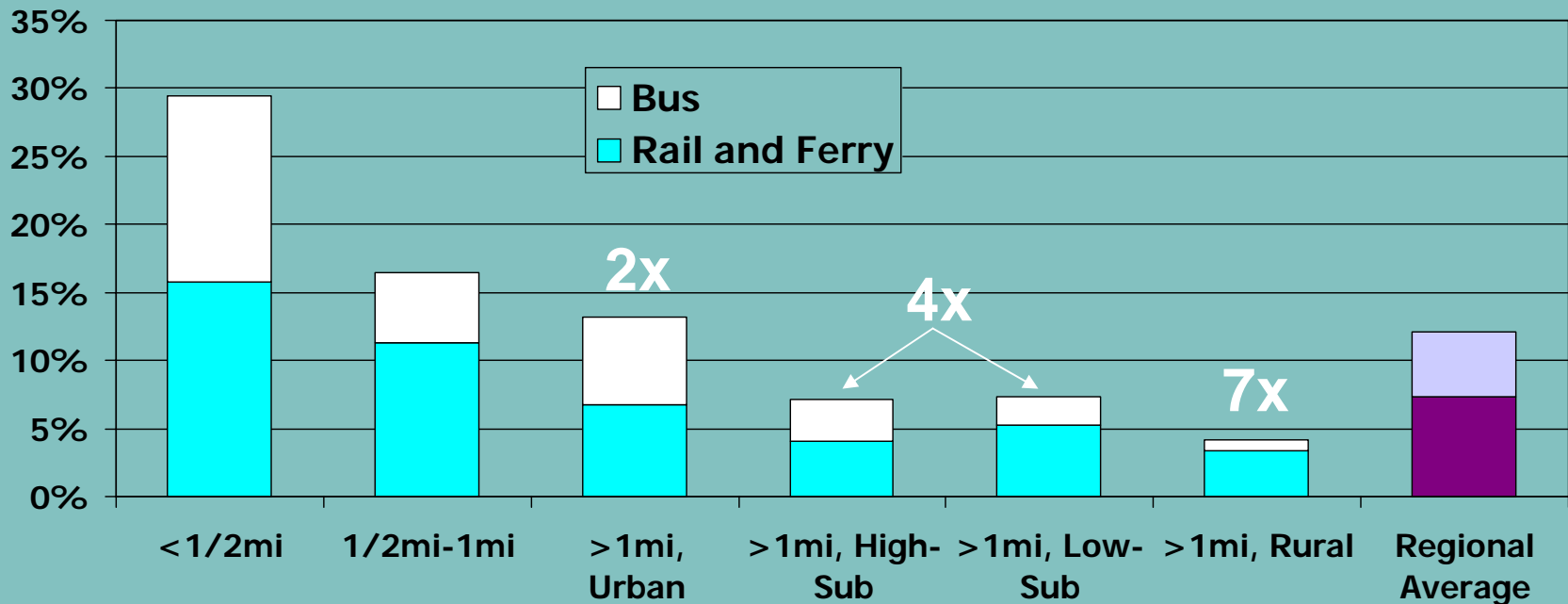
Results – Transit Shares: Home-Based Work Trips

- Bus and rail/ferry shares for all home-based work trips



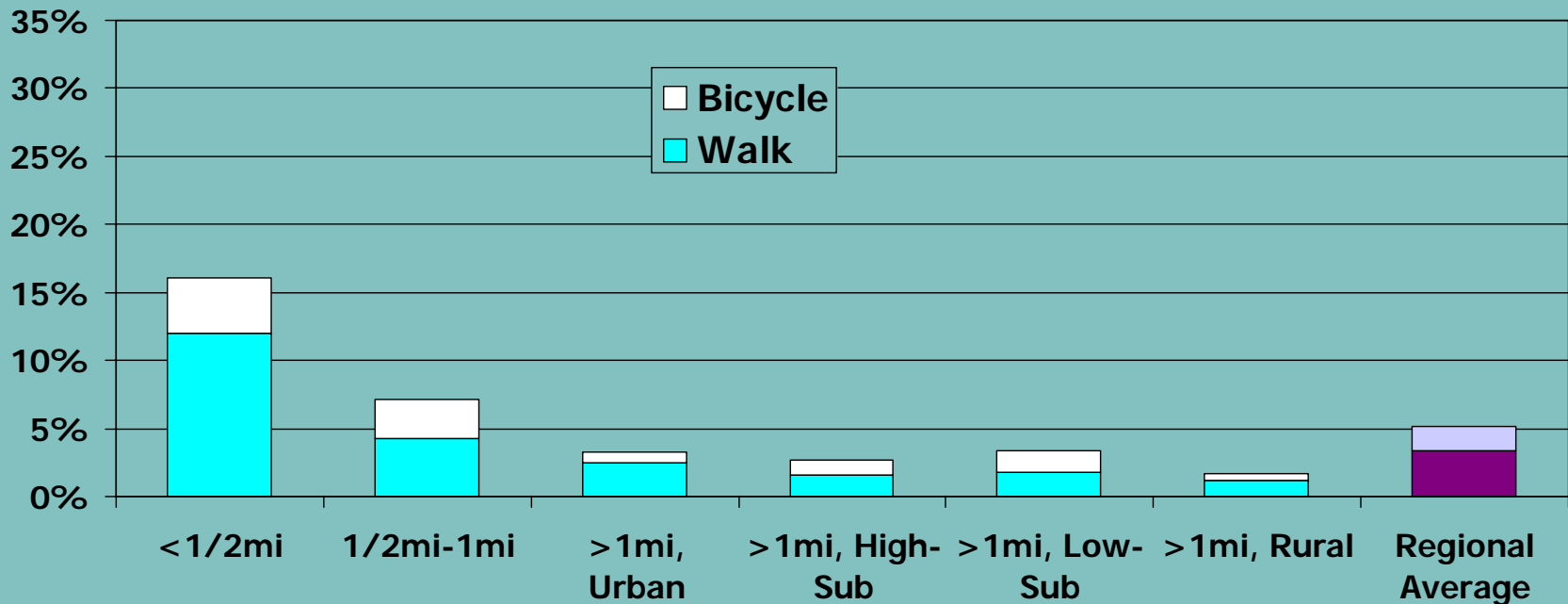
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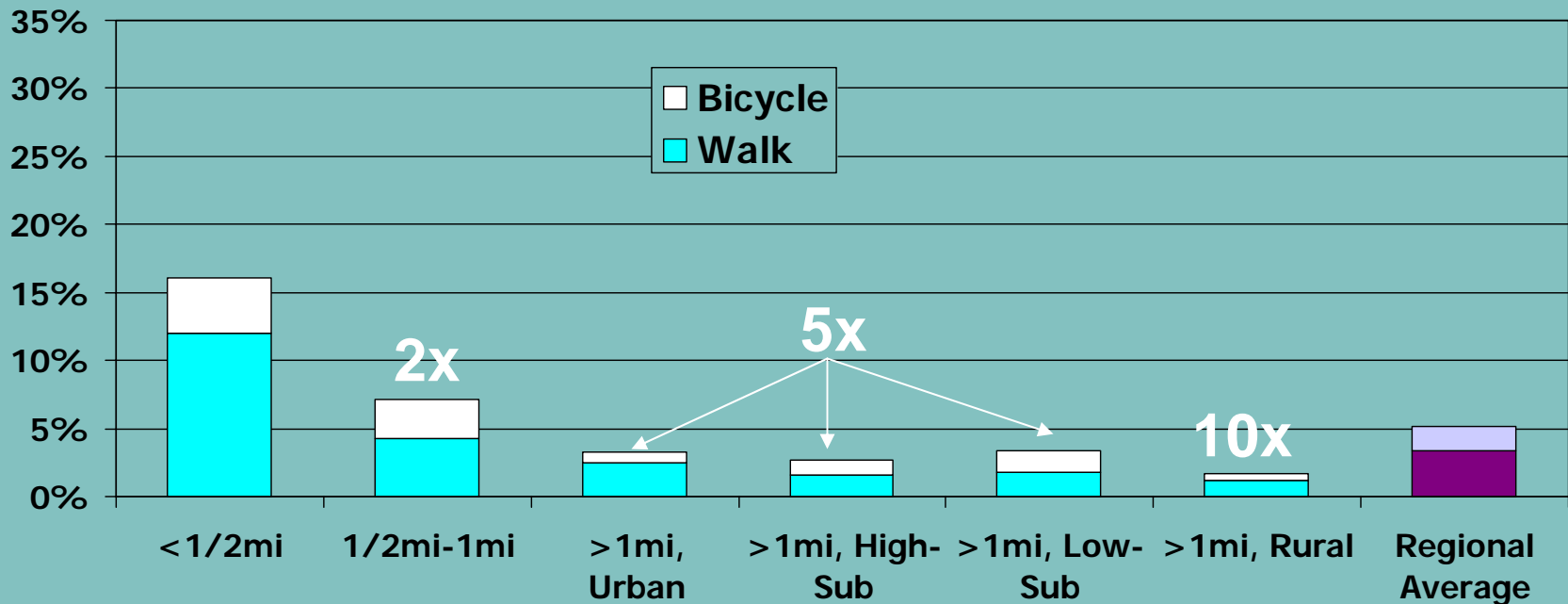
Results – non-Motorized Shares: Home-Based Work Trips

- Bike and walk shares for all home-based work trips



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- Bike and walk shares for all home-based work trips





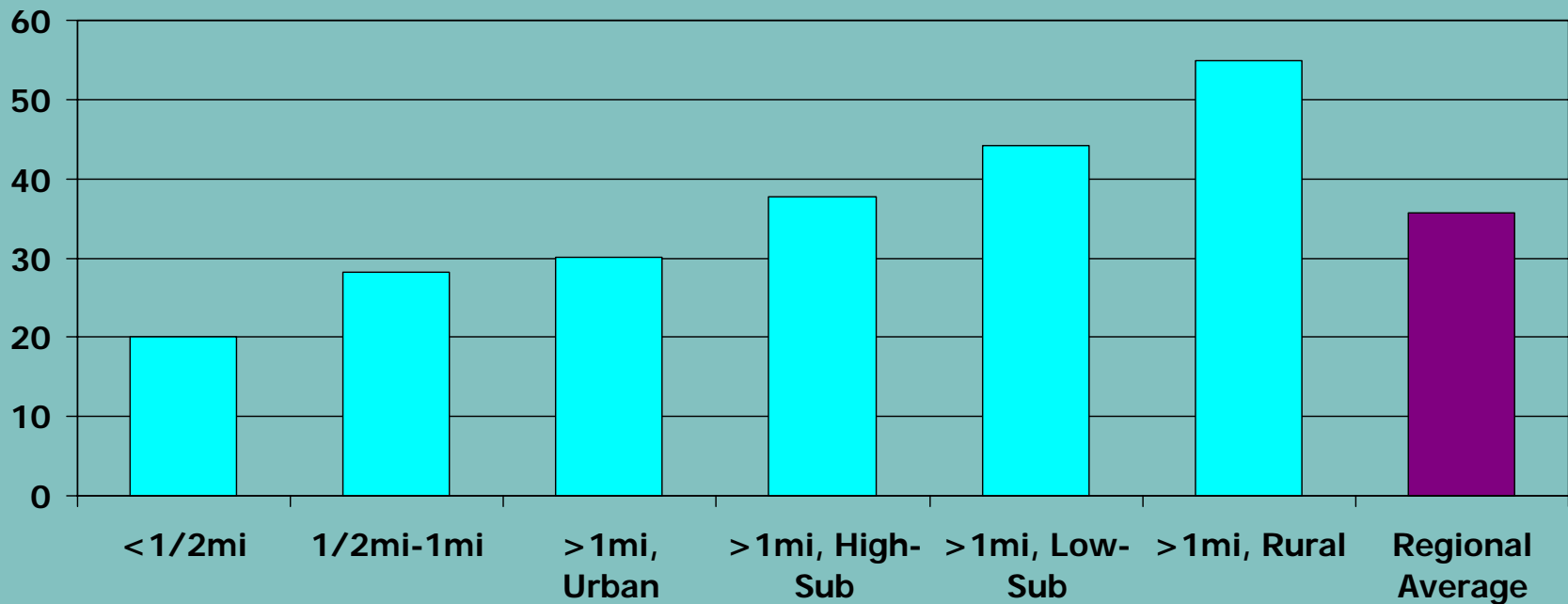
Results

Vehicle Miles Traveled by
Proximity to Rail and Ferry



Results – VMT per Household

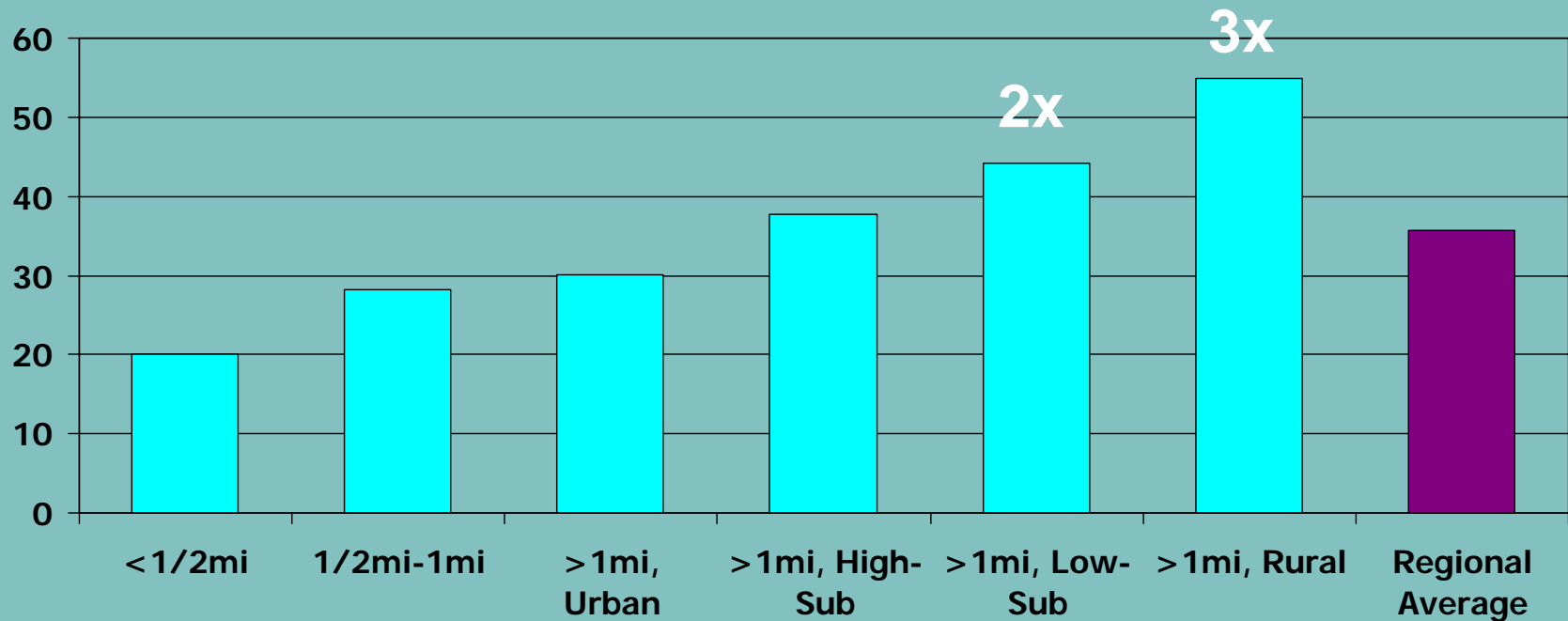
■ Average daily VMT/household (based on vehicle driver trips)





Results – VMT per Household

■ Average daily VMT/household (based on vehicle driver trips)





Results

Transit Shares by
Proximity of Home and Work Location to
Rail and Ferries

Results – Work Trip Transit Shares by Proximity of Home and Work to Rail and Ferries – All Bay Area Workers who Work outside of San Francisco

Proximity of Home to Rail and Ferries	Proximity of Work to Rail and Ferries		
	Within ½ mile	Greater than ½ mile	Total
Within ½ mile	31%	14%	19%
Greater than ½ mile	11%	4%	5%
Total	13%	4%	6%

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Next Steps

- Attitudinal survey
- Mixed-use density



Discussion

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